

AMENDMENTS TO THE SPECIFICATION

Please amend the Subtitle beginning on page 1, line 6 as follows:

Background of the Invention

1. Technical Field of the Invention

Please amend the Subtitle beginning on page 1, line 1 as follows:

2. Background-Description of Related Art

Please amend the paragraph beginning on page 2, line 19 as follows:

According to the aforementioned trouble analysis support apparatus, the situations previous to and subsequent to the trouble of the device can be observed simultaneously and in synchronization, as input/output information and PLC control information. Furthermore, the PLX control information can be recognized, for example, in a ladder language, so that whether or not a logic circuit is established can easily be determined. In addition, the unrecorded relay state in PLC can also be observed, so that a trouble analysis of a device can easily be conducted.

~~Patent Document 1: Japanese patent Laying Open No. 10-238020~~

~~Patent Document 1: Japanese patent Laying Open No. 2000-20113~~

~~Patent Document 1: Japanese patent Laying Open No. 2003-84811~~

~~Patent Document 1: Japanese patent Laying Open No. 2003-131710~~

~~Patent Document 1: Japanese patent Laying Open No. 2003-157105~~

~~Patent Document 1: Japanese patent Laying Open No. 2004-5060~~

~~Patent Document 1: Japanese patent Laying Open No. 2000-250775~~

Please amend the Subtitle beginning on page 3, line 5 as follows:

~~Disclosure Summary~~ of the Invention

Please amend the Subtitle beginning on page 9, line 14 as follows:

~~Description of the Reference Signs~~

Please amend the paragraph beginning on page 9, line 15 as follows:

~~100 display apparatus, 110 input unit, 112 video signal input unit, 114 audio signal input unit, 116 touch panel, 130 touch panel, 132 display control unit, 134 clock, 136 video data generating unit, 138 ladder log data generating unit, 140 HMI processing unit, 142 control HMI processing unit, 144 device control unit, 150 display unit, 152 display, 154 input/output interface unit, 160 storage unit, 162 screen data storing unit, 164 video data storing unit, 166 ladder log storing unit, 168 variable memory, 170 control program memory, 18, 181 device, 182 microphone, 184 camera, 186 target system, 190 PLC, 930-944 button, 1700 computer system, 1710 CPU, 1720 monitor, 1730 mouse, 1740 keyboard, 1750 memory, 1760 fixed disk, 1770 FD drive, 1772 FD, 1780 CD-ROM drive, 1782 CD-ROM.~~

Please amend the Subtitle beginning on page 9, line 25 as follows:

~~Best Modes for Carrying Out~~Detailed Description of the Invention